

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630875

Luminaire Tested: GWS-SA1E-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7893.2 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

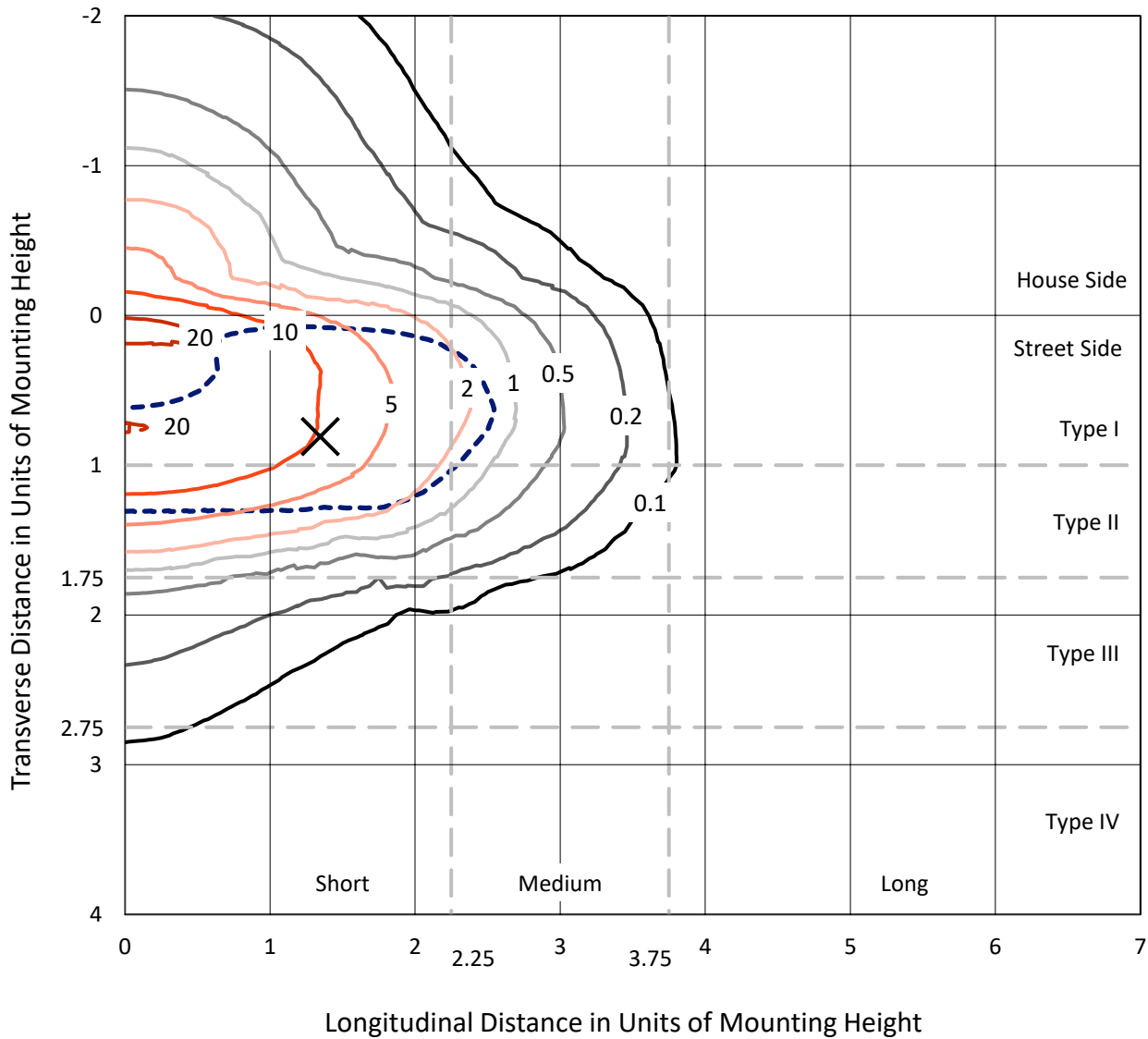
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

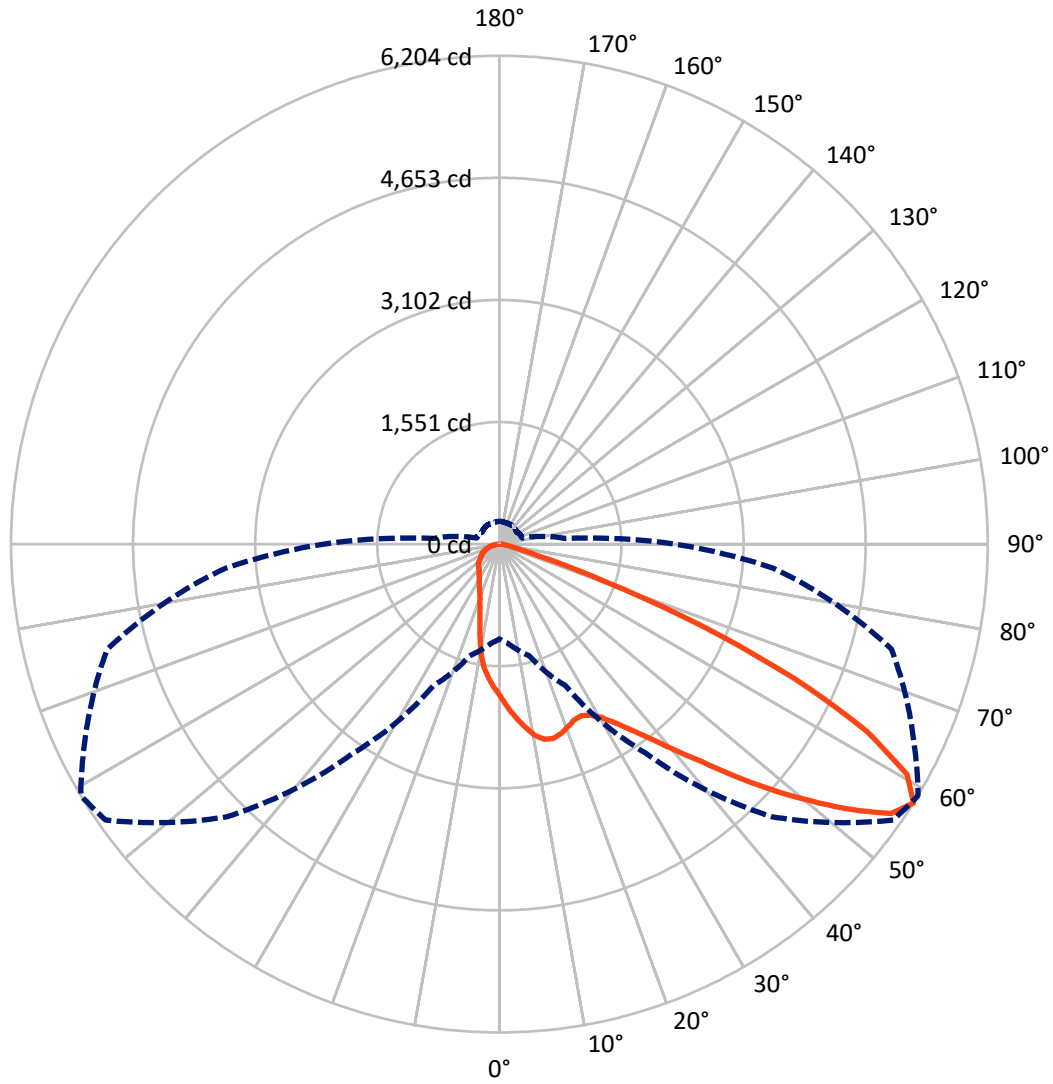
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.0	0.0	1225.0
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	6668.2	0.0	6668.2
	% Fixture	84.5	0.0	84.5
Total	Lumens	7893.2	0.0	7893.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	2.3
10°-20°	455.9	5.8
20°-30°	739.0	9.4
30°-40°	1188.8	15.1
40°-50°	1846.1	23.4
50°-60°	1988.5	25.2
60°-70°	1154.0	14.6
70°-80°	301.3	3.8
80°-90°	39.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7893.2	100.0
0°-180°	7893.2	100.0

Coefficient of Utilization



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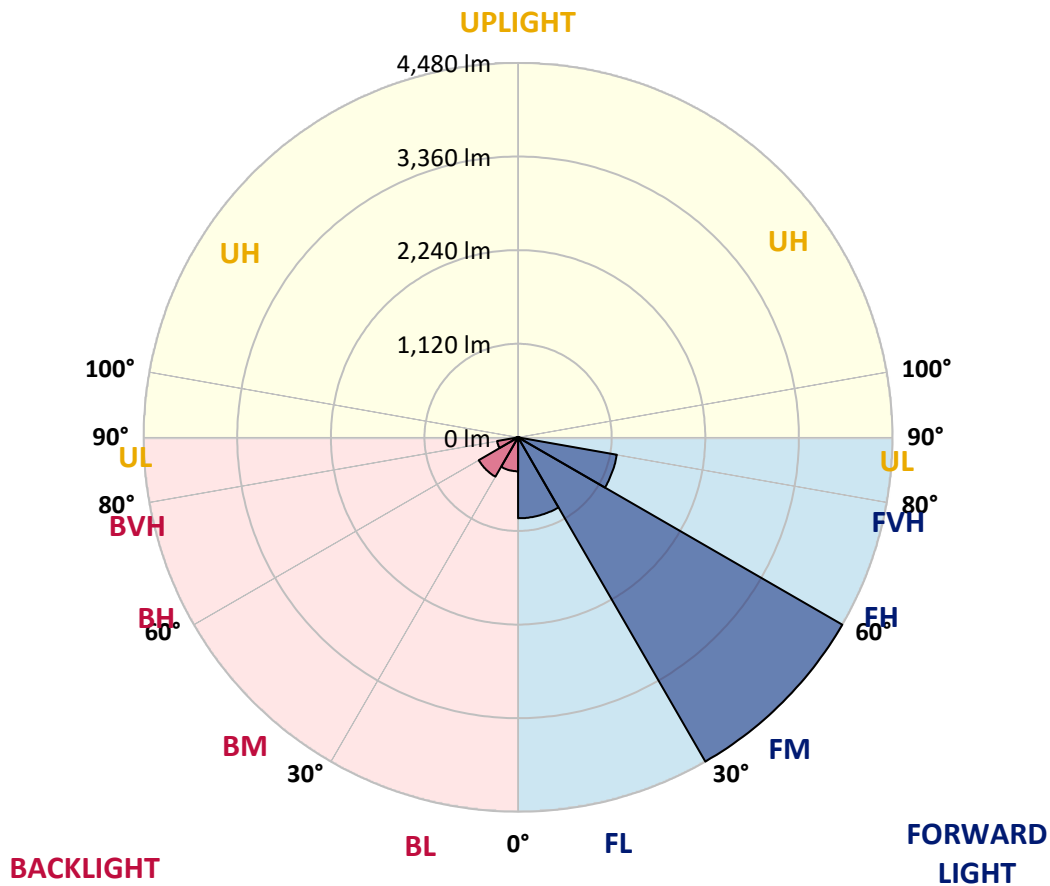
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	968.4	12.3			
FM (30°-60°)	4480.3	56.8			
FH (60°-80°)	1200.5	15.2			G1/1800
FVH (80°-90°)	19.0	0.2			G1/100
BL (0°-30°)	406.4	5.1	B1/500		
BM (30°-60°)	543.1	6.9	B1/1000		
BH (60°-80°)	254.8	3.2	B1/500		G1/500
BVH (80°-90°)	20.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6
2.5°	2197.7	2179.3	2192.1	2169.3	2159.9	2134.9	2102.7	2081.0	2047.6	2004.3	1966.5
5°	2416.1	2403.3	2406.1	2381.6	2359.9	2318.3	2252.1	2215.5	2158.8	2071.5	1990.4
7.5°	2409.4	2424.4	2432.7	2453.8	2460.0	2456.1	2396.6	2345.5	2283.2	2152.1	2029.9
10°	2159.9	2188.2	2213.8	2286.0	2373.8	2485.0	2498.8	2468.3	2405.5	2254.9	2077.1
12.5°	1888.2	1909.8	1932.6	2019.3	2153.8	2376.0	2526.6	2545.5	2520.5	2356.6	2130.4
15°	1754.8	1764.8	1786.5	1843.7	1951.0	2197.7	2478.3	2561.1	2606.1	2464.4	2190.5
17.5°	1749.3	1753.7	1764.3	1794.8	1869.3	2059.9	2391.0	2530.0	2673.3	2578.3	2260.5
20°	1864.3	1852.6	1845.9	1845.4	1882.1	2013.7	2306.6	2480.0	2705.0	2695.0	2335.5
22.5°	2023.8	2027.6	2013.2	1977.6	1973.2	2046.5	2264.4	2429.4	2714.5	2798.4	2404.9
25°	2249.9	2269.4	2226.6	2158.8	2125.4	2141.6	2290.5	2413.8	2713.3	2884.5	2448.3
27.5°	2513.9	2528.9	2485.5	2396.6	2327.7	2288.8	2368.3	2460.0	2722.8	2958.9	2474.4
30°	2814.5	2819.5	2760.0	2666.7	2566.1	2482.7	2497.7	2555.0	2771.1	3056.7	2505.0
32.5°	3181.8	3202.9	3112.9	2965.1	2824.5	2717.8	2671.7	2708.3	2875.6	3172.3	2552.2
35°	3648.0	3655.2	3540.7	3329.0	3130.1	2982.3	2885.6	2905.0	3034.5	3334.0	2623.3
37.5°	4087.5	4094.7	3973.0	3776.3	3491.8	3289.6	3149.5	3140.6	3237.9	3562.4	2739.5
40°	4366.5	4387.0	4332.6	4209.2	3937.5	3664.6	3474.6	3444.0	3504.6	3841.9	2901.2
42.5°	4516.5	4525.4	4524.3	4540.4	4378.7	4107.5	3841.3	3780.2	3820.8	4143.6	3064.5
45°	4517.6	4539.8	4599.3	4754.3	4761.5	4592.6	4304.8	4209.2	4172.0	4447.6	3235.1
47.5°	4315.3	4339.2	4502.6	4807.7	5032.7	5071.0	4859.9	4668.2	4511.5	4709.3	3375.1
50°	3703.0	3763.0	4074.2	4613.7	5086.1	5454.5	5389.4	5129.4	4813.2	4911.6	3462.9
52.5°	3171.2	3169.0	3360.7	4065.8	4863.2	5623.4	5901.8	5603.9	5111.6	5039.9	3485.2
55°	2322.1	2334.9	2531.1	3109.5	4268.7	5460.0	6183.5	6040.7	5453.9	5108.3	3476.3
57.5°	1204.1	1267.5	1468.6	1984.3	3243.4	4897.7	6108.5	6203.5	5801.8	5156.6	3487.9
60°	608.5	596.2	668.5	947.4	1879.3	3825.2	5646.2	5949.0	5864.5	5194.4	3495.2
62.5°	406.2	402.9	382.9	439.0	767.9	2265.5	4813.2	5237.7	5428.3	5105.5	3402.9
65°	351.7	345.1	308.4	306.2	372.9	939.6	3528.0	4117.5	4486.5	4710.4	3182.3
67.5°	316.7	306.7	269.5	251.2	267.8	412.9	1988.2	2761.7	3312.9	3983.6	2698.9
70°	282.8	277.8	240.6	213.9	212.3	251.7	732.4	1425.3	2027.1	2717.8	1973.2
72.5°	253.4	244.5	212.8	187.3	174.5	178.4	317.8	549.0	1049.1	1695.4	1180.2
75°	219.5	212.8	185.0	159.5	143.9	130.6	193.9	253.9	478.4	805.7	557.3
77.5°	169.5	165.0	146.1	126.7	117.8	97.2	117.8	160.0	221.2	339.5	290.1
80°	98.4	101.1	108.9	98.9	86.7	69.5	76.7	92.2	132.8	183.9	164.5
82.5°	49.5	52.8	70.6	57.2	51.7	40.6	45.6	54.5	69.5	101.7	64.5
85°	3.9	3.9	12.8	14.4	17.8	14.4	18.3	22.2	31.7	40.6	21.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.8	5.0	9.4	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6	1937.6
2.5°	1941.0	1912.6	1878.7	1850.9	1808.2	1785.4	1756.5	1720.9	1706.5	1699.8	1695.9
5°	1944.8	1894.8	1822.6	1755.9	1682.0	1623.7	1558.7	1490.9	1452.0	1442.5	1435.9
7.5°	1959.3	1889.3	1774.3	1664.2	1527.0	1399.7	1275.8	1153.0	1090.2	1066.3	1064.1
10°	1979.3	1887.1	1725.4	1542.5	1310.8	1109.7	964.6	868.5	827.9	814.6	810.2
12.5°	2004.3	1885.4	1660.9	1373.6	1061.3	871.3	788.5	772.9	778.5	777.4	777.4
15°	2036.0	1887.6	1583.1	1182.5	858.5	756.3	757.9	776.3	793.5	796.3	796.3
17.5°	2070.4	1885.4	1470.3	990.8	736.8	729.0	754.6	780.2	795.7	797.9	797.9
20°	2107.7	1874.8	1328.1	810.2	683.5	711.8	739.6	759.6	769.0	771.3	771.3
22.5°	2129.9	1844.8	1173.6	685.7	649.6	684.6	702.9	723.5	724.6	706.8	706.3
25°	2126.6	1788.7	997.4	605.7	613.5	644.0	667.4	652.9	635.1	625.1	623.5
27.5°	2105.4	1704.2	817.9	545.1	570.7	605.1	597.9	585.7	581.2	570.1	569.0
30°	2078.8	1600.3	656.8	497.9	526.2	557.9	546.8	545.7	541.2	529.0	529.0
32.5°	2053.2	1493.1	535.1	462.9	497.9	500.1	515.7	516.8	514.6	493.4	491.2
35°	2046.0	1385.8	452.9	435.1	470.1	469.0	491.2	490.7	452.3	422.9	422.3
37.5°	2067.6	1276.9	404.0	412.3	431.8	446.2	464.0	431.8	419.0	401.2	400.1
40°	2113.8	1176.4	379.0	399.0	407.3	428.4	400.6	402.9	399.5	386.2	384.5
42.5°	2174.9	1090.8	365.1	394.5	393.4	399.0	368.4	377.3	382.3	372.3	370.6
45°	2233.8	1016.3	357.9	377.9	383.4	351.2	345.1	353.4	361.2	357.3	355.6
47.5°	2277.1	951.9	354.0	355.1	370.6	335.1	325.1	329.0	338.4	340.1	339.5
50°	2290.5	896.9	349.5	336.2	332.8	319.0	311.2	310.1	321.2	329.0	330.1
52.5°	2264.9	848.0	337.8	319.5	303.4	305.6	302.8	297.3	308.4	319.0	320.1
55°	2227.1	820.2	319.5	303.4	284.5	293.4	294.5	289.5	296.7	304.0	304.0
57.5°	2229.9	836.3	301.7	288.4	267.8	279.5	285.6	283.4	283.4	288.9	289.5
60°	2248.2	859.6	290.1	269.5	251.2	263.4	277.3	275.1	270.1	277.3	277.3
62.5°	2195.5	828.5	282.3	251.2	233.4	247.8	264.5	263.4	257.8	269.5	270.6
65°	2039.9	745.2	273.4	228.4	215.6	232.3	246.7	250.6	245.6	261.2	263.9
67.5°	1709.8	626.8	256.2	206.7	197.8	213.4	227.3	232.8	228.9	247.3	249.5
70°	1274.7	507.3	228.9	182.8	176.1	190.0	202.8	205.0	205.6	227.3	229.5
72.5°	812.9	394.5	192.8	156.1	151.1	161.7	171.1	180.0	183.9	204.5	203.9
75°	453.4	293.4	155.0	132.2	123.4	131.7	142.8	153.4	164.5	194.5	197.8
77.5°	261.2	206.2	122.8	106.1	95.6	104.5	113.9	128.9	162.3	188.4	185.0
80°	147.3	133.9	92.8	77.8	71.1	77.8	85.0	113.4	127.8	138.9	140.6
82.5°	68.9	75.0	63.3	47.8	47.8	52.2	58.9	87.8	96.7	78.9	68.9
85°	25.0	33.9	31.1	24.4	21.7	21.1	36.7	50.0	31.1	27.8	23.9
87.5°	6.7	9.4	8.9	6.1	3.3	2.8	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)